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Data Sheet: Hypoxyprobe™ DAB HRP chromogen
(HPI Catalog # dabhrpchromogen)

Description: DAB (Di Amino Peroxidase) “chromogen” for activating linked horse radish peroxidase (HRP) groups. A brown color is produced in the reaction.

Specificity: Pimonidazole forms adducts with thiol containing tissue proteins at $pO_2 \leq 10$ mm Hg. HP-MAb-1 or HP-PAb(x) binds to pimonidazole adducts in hypoxic cells in tissue and tissue culture. The secondary antibody either Anti Mab HRP or Anti PAb HRP binds to the HP MAb-1 or HP PAb. The DAB (Diaminobenenoic acid) horse radish peroxidase chromogen is added to activate the HRP group and stain hypoxic areas of tissue brown (580nm).

Format: Each vial of DAB-HRP chromogen contains the chemical dissolved in 200 microliters of stabilized diluent at a concentration of approximately 0.5 mg/mL.

Stability: 4 weeks at RT
➤ 2 years at 4 Celcius

Suggested Dilutions: Immunohistology - Paraffin not determined
Immunohistology – Frozen 1/20 to 1/200
Immunohistology – Resin not determined
ELISA 1/200 to 1/1000
Western Blotting 1/20 to 1/200

Flow Cytometry: not determined

Applications:

Target Species: All species.

Product form: Buffer solution of chromogen

Buffer: Proprietary formulation containing stabilizers.